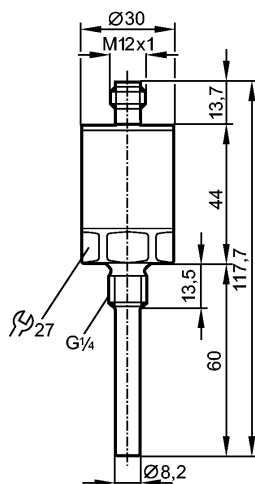


TA3130

TA-060.LDR14-A-ZVG/US/

Temperature sensors



Made in USA

Product characteristics

Temperature transmitter

Connector

Process connection: G 1/4 A

Installation length: 60 mm

Max. medium temperature

150°C / 302°F (max. 40 min.)

Analogue output

Measuring range: 0...140 °C / 32...284 °F

Measuring element: 1 x Pt 1000, to DIN EN 60751, class A

Application

Application liquids and gases

Minimum installation depth [mm] 15

Electrical data

Electrical design DC

Operating voltage [V] 10...30 DC

Protection class III

Reverse polarity protection yes

Outputs

Output Analogue output

Output function 4...20 mA analogue

Overload protection yes

Analogue output 4...20 mA; Rmax: 500 Ω

Measuring / setting range

Measuring range [°C/°F] 0...140 / 32...284

Resolution

Analogue output [K] < 0.02

Accuracy / deviations

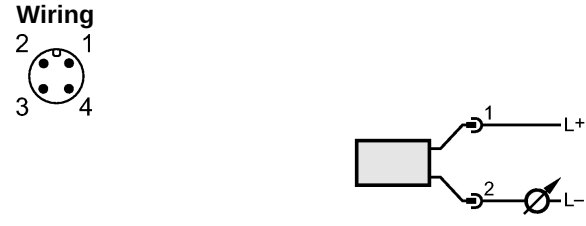
Analogue output [K] ± 0.1 (60°C / 140°F) / ± 0.5 (0...140°C / 32...284°F)

Temperature coefficients (in % of the span per 10 K) < ± 0.1 *****

TA3130

TA-060.LDR14-A-ZVG/US/

Temperature sensors

Reaction times		
Dynamic response	T05 / T09 [s]	1 / 3 *)
Environment		
Pressure rating	[bar]	400
Ambient temperature	[°C]	-25...70
Storage temperature	[°C]	-40...100
Protection		IP 68 / IP 69K
Tests / approvals		
EMC	EN 61000-4-2 ESD: EN 61000-4-3 HF radiated: EN 61000-4-4 Burst: EN 61000-4-5 Surge: EN 61000-4-6 HF conducted:	4 kV CD / 8 kV AD 10 V/m 2 kV 0.5/1 kV 10 V
Shock resistance	DIN EN 60068-2-27:	50 g (11 ms)
Vibration resistance	DIN EN 60068-2-6:	10 g (10...2000 Hz)
MTTF	[Years]	1119
Mechanical data		
Process connection		G ¼ A
Materials (wetted parts)		stainless steel 316L / 1.4404
Probe length L	[mm]	46.5
Installation length	[mm]	60
Housing materials		stainless steel 316L / 1.4404; stainless steel (304S15); stainless steel (303S22); PA
Weight	[kg]	0.137
Electrical connection		
Connection		M12 connector; Gold-plated contacts
Wiring 		
Remarks		
Remarks	*) according to DIN EN 60751 *****) In case of deviation from the reference condition $25 \pm 5 \text{ °C}$ The values for accuracy apply to flowing water. Referring to UL: For use on a low voltage circuit with overcurrent protection in accordance with UL873 Tab. 28.1 or $I_{\text{max}} = 100/U_b$ (U_b = voltage of the circuit).	
Pack quantity	[piece]	1